



# ENVIROGEL® 8

## Product Information

### Description

**ENVIROGEL® 8** is a non-treated high swelling sodium bentonite processed specifically for soil/bentonite membranes installed where low permeability liners or caps are desired. **ENVIROGEL® 8** is particularly effective as an amendment to coarse grained soils where its large particles blend well to fill large void spaces. It is also the preferred product for use in pure membrane construction techniques or to broadcast in the sedimentation method of application.

### Characteristics

#### Typical Sieve Analysis

Sieve Size	% Retained	% Passing
4	0.17	99.83
8	33.23	66.77
10	52.99	47.01
16	98.89	1.11
20	99.66	0.34

Processed Density:  
65.0 ± 2.0 lb/ft<sup>3</sup>

### Application

**ENVIROGEL® 8** is easily applied through a drop spreader for in-situ application, or can be pre-blended with soil in a pug mill operation. Typical addition rates will range from 4% to 15% depending upon base soil characteristics.

### Suggested Specifications

- 2.1 The bentonite supplied as a soil sealant shall be high-swelling sodium montmorillonite clay referred to as Wyoming Bentonite or Sodium Bentonite. The bentonite shall be **ENVIROGEL® 8** as manufactured by Wyo-Ben, Inc. or an equal approved by the engineer prior to bid.
- 2.2 High swelling is defined as the ability of 2 grams of bentonite, when mechanically reduced to a minus 100 mesh, to swell in water to an apparent volume of 16 ccs or more when added a little at a time to 100 ccs of distilled water contained in a graduated cylinder.
- 2.3 The colloid content of the bentonite shall exceed 70% and is measured by evaporating and weighing the suspended portion from a 2% distilled water solution after 24 hours of sedimentation.
- 2.4 Dry fineness of the soil sealant shall be:
  - 98% minimum passing 4 mesh
  - 5% maximum passing 20 mesh

### Packaging

**ENVIROGEL® 8** is available in bulk, both truck and rail, bulk sacks containing approximately 3,000 pounds each or 50 pound multi-walled paper bags, palletized for easy handling. **ENVIROGEL® 8** can be transferred by either pneumatic or mechanical conveyance systems.